

CITY OF BURLINGTON

COST PROPOSAL

Lower Church Street and St. Paul Street
Improvements STP 5000 (16) C/4

December 1, 2010



SUBMITTED TO

Ms. Erin L. Demers, EIT, MPM
City of Burlington
Department of Public Works
645 Pine Street, Suite A
P.O. Box 849
Burlington, VT 05402





ENGINEERING • PLANNING • DEVELOPMENT • MANAGEMENT

221070X
November 30, 2010

Ms. Erin L. Demers, EIT, Municipal Project Manager
City of Burlington
Department of Public Works
Burlington, VT 05402

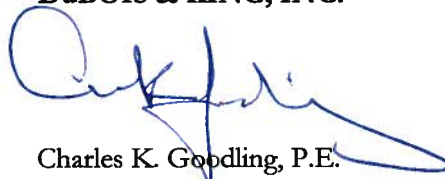
**Subject: Cost Proposal - Construction Oversight
Lower Church Street and St. Paul Street Improvements STP 5000 (16) C/4**

Dear Ms. Demers:

Enclosed are five (5) copies of our Cost Proposal to provide Construction Inspection Services for the above referenced project. We include in this document our fee proposal and a breakdown of labor hours. DuBois & King's Form AF38 is on file with the Vermont Agency of Transportation. If you have any questions or require additional information, please do not hesitate to contact me at 802.728.3376.

Very truly yours,

DuBOIS & KING, INC.



Charles K. Goodling, P.E.
Vice President

CKG/mls
Enclosures

**City of Burlington
Lower Church Street and St. Paul Street Improvements
Construction and Inspection Services**

Cost Proposal Summary

Engineering Services During Construction \$67,200

Reimbursable Expenses \$ 5,800

Total Engineering Budget \$73,000 (note 1)

Testing by Independent Qualified Laboratory Budget \$10,000 (note 2)

Note 1: Please refer to the Notes at the bottom of the labor-hour estimating spreadsheet for additional information that forms the basis for the Engineering budget costs.

Note2: Testing costs are influenced by the contractors work schedule (i.e., the location and number of concrete pours, for example), the details of which are not available at this time. Therefore, a testing budget has been established based on what we believe to be a reasonably conservative interpretation of the testing frequency identified in the Contract Documents. Testing will be on a time-and-materials-basis, so the actual costs will be determined during the course of the project. The project will incur costs only for the tests that are performed. If it becomes apparent that additional costs are required to comply with all testing requirements, we will bring this to the attention of the MPM in a timely manner and discuss how to proceed.

City of Burlington
Lower Church Street and St. Paul Street Improvements
Construction Inspection Services
 Project No.: 221070X



Project Phases & Tasks		Labor Categories									
		Project Director	Constr Manager	Resident Project Rep	Senior Registered Land Surveyor	Survey Tech	2 Person Survey Crew	EPSC Specialist		Admin. Support	Total Hours
Task I: Administration											0
1. Maintain Communications with MPM			16	*							16
2. Project Coordination			16	*							16
3. Review Contract Documents			4	4							8
4. Attend Pre-Construction Meeting and Final Inspection				*					2		2
assume 2 mtgs			16	4							20
5. Make Sure Contractor Calls Dig Safe				*							0
6. Prepare Daily Reports				*							0
7. Maintain Photographic Record				*							0
8. Accompany Project Representatives on Site Visits				*							0
9. Participate in Periodic Construction Status Meetings				*							0
assume 2 mtgs during spring start			12	*					8		20
assume 6 mtgs during 12-week active construction			36	*					24		60
10. Report Unusual Occurances and Accidents				*							0
11. Calculation and Verification of Final Quantities				*							0
12. Review Suggested Changes by the Contractor (Change Orders)			32	*							32
13. Receive Information from Contractor/Maintain Files				*							0
14. Review BiWeekly Progress Applications (assume 7)			8	*					4		12
15. Issue Certificate of Substantial Completion			6	*					4		10
16. Provide Certificate that Project Conforms to Requirements			1	*					4		5
* Hours included in Task II below											0
Project Closeout and Deliverables			4						8		12
											0
											0
Task II: Construction Inspection											0
Maintain a Presence on the job (Tasks 1 through 9)											0
6-week spring start-up (6 wks at 20 hr/wk)				120							120
12-week active construction period (12 wks at 40 hrs/wk)				480							480
Task III: Materials and Equipment Testing											0
Monitor Testing Procedures and Report (Tasks 1 through 4)			8	**							8
** Included in hours for Task II above											0
Budget for Testing Firm provided below											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0
											0

NOTE:

A significant portion of this cost proposal is for the Resident Engineer's services. Based on our coordination with the MPM, we have established the time for our Resident Engineer based on the following assumptions:

- Six-week Spring Start-up Phase based on 20 hours per week
- Twelve-week Active Construction Phase based on 40 hours per week
- Total of 600 Resident Engineer hours in the field

If the contractors schedule deviates from these assumptions, we will coordinate with the MPM, amend our contract as required, and provide the necessary additional services.

Cost Proposal

Construction Inspection Services Lower Church Street and St. Paul Street Improvements STP 5000 (16) C/4

City of Burlington, Vermont

December 1, 2010

Hoyle, Tanner
& Associates, Inc.

125 College Street-4th Floor
Burlington, VT 05401
802-860-1331 (tel)
802-860-6499 (fax)
www.hoyletanner.com

December 1, 2010

Ms. Erin L. Demers, E.I.T., MPM
City of Burlington
Department of Public Works
645 Pine Street, Suite A
P.O. Box 849
Burlington, VT 05402



125 College Street, 4th Floor
Burlington, Vermont 05401
802-860-1331
802-860-6499 fax
www.hoyletanner.com

**Regarding: Request for Proposals (RFP)
Construction Inspection Services
Lower Church Street and St. Paul Street Improvements
STP 5000 (16) C/4**

Dear Ms. Demers:

Hoyle, Tanner & Associates, Inc. (Hoyle, Tanner) is pleased to submit herewith five (5) copies of our Cost Proposal for the above referenced project.

As required by the RFP, five (5) copies of our Technical Proposal have been concurrently submitted, under separate cover.

We trust you will find our submission responsive to your RFP in every respect and look forward to working with the City of Burlington.

Very truly yours,

HOYLE, TANNER & ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read "Charles", followed by a horizontal line.

Charles H. Swanson, P.E.
Vice President

COST PROPOSAL

CLIENT: City of Burlington

PROJECT: Lower Church Street & Saint Paul Street Improvements

A. GENERAL CONSTRUCTION ADMINISTRATION -

Duration of Task: 3 - Six month Construction Period

DIRECT LABOR COST:

Construction Administrator	40 hours @	\$46.00 per hour	\$1,840.00
Construction Inspector	1087 hours @	\$24.00 per hour	\$26,088.00
Admin. Support	0 hours @	\$15.50 per hour	\$0.00

Total Direct Labor	\$27,928.00
--------------------	-------------

Overhead and Payroll Burden (175%)	\$48,874.00
------------------------------------	-------------

Subtotal Labor and Overhead	\$76,802.00
-----------------------------	-------------

REIMBURSABLE EXPENSES:

Hoyle, Tanner Expenses	
Travel = 0 miles @ \$0.50/mile (walk from office to project site)	\$0.00
Postage & Communication	\$250.00
Printing	\$250.00

Alpha Testing (Budget number)	
Material Testing & Sampling	\$5,000.00

TOTAL EXPENSES	\$5,500.00
-----------------------	-------------------

ESTIMATED ACTUAL COST:	\$82,302.00
-------------------------------	--------------------

USE: Actual Cost Not-to-Exceed	\$82,300.00
Fixed Fee (10% x HTA Labor & Overhead)	\$7,700.00

TOTAL:	\$90,000.00
---------------	--------------------

Alpha Testing & Engineering, LLC

Construction Materials Testing, Engineering and Consulting

30 Streeter Brook Road, Milton, VT 05468 Phone: 802-893-9814 Fax: 802-891-6036

2010 Rate Schedule for Materials Testing and Engineering Services

Personnel

Senior Professional Engineer.....	\$115/hour
Professional Engineer.....	\$90/hour
Engineering Technician.....	\$42/hour
Engineering Technician, Overtime.....	\$60/hour

Laboratory and Field Testing

Soils and Aggregates

Gradation Analysis of Soils and Aggregates.....(ASTM C136, D422 – AASHTO T27, T88)	
Wash on #200 Sieve.....	\$52
Wash on #270 Sieve.....	\$55
VT ANR/DEC Mound Sand Specification.....	\$55
Hydrometer Analysis.....	\$105
USDA Classification.....	\$135
Laboratory Compaction, Standard Proctor (ASTM D698, AASHTO T99).....	\$90
Laboratory Compaction, Modified Proctor (ASTM D1557, AASHTO T180).....	\$95
Field Density Testing of Soil and Aggregates.....	\$42/hour

Concrete

Field Concrete Control Testing.....	\$42/hour
Compression Testing of Concrete Cylinders (ASTM C39).....	\$14/cylinder

Miscellaneous

Mileage.....	\$0.55/mile
Direct expenses for lodging, shipping, etc.	At cost
Subcontractor expenses.....	Cost + 15% maximum

Travel time is charged at the listed hourly rates from our office.

Other testing and analysis services are available, please contact us with your specific requirements.



Lower church Street and St. Paul Improvements

Cost Proposal

Construction Inspection Services

The cost of this project will be highly dependant on the actions and efficiency of the contractor and other unforeseen field conditions. Based on our conversation with DPW staff we understand that the construction is expected to be completed within an 8 to 12 week period. Therefore, we have presented the budget in a weekly fashion.

We will work with DPW as necessary to minimize our time on site and maximize our effectiveness through out the project.

Weekly Budget

	Cost	Overhead Rate	Fee (10%)	Billing Rate	Hours	Cost /Week
Administration:	\$20	2.25	\$5	\$50	4	\$ 200
Junior Engineer:	\$22	3.27	\$8	\$80	40	\$3,200
Senior Engineer:	\$32	2.80	\$10	\$100	2	<u>\$ 200</u>
Total Estimated Cost per Week:						\$3,600

Estimated Weeks of Construction **8-12**

Estimated Total Cost: **\$28,800-\$43,200**